



**Positronic®**

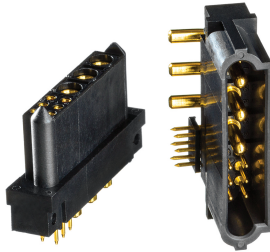
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## Modular Power/Signal Connector Maximizes SWaP Reduction



### Springfield, Missouri, USA – 20 February 2017

Positronic, a leading global manufacturer of high reliability electronic connectors and build-to-print cable assemblies, is promoting its Low-Profile Scorpion power/signal hybrid connector for use in power supplies and related applications.

The slim 8.20mm profile of the Scorpion is ideal for space constrained applications such as a rack power supply. The Scorpion is unique for three key reasons: 1) Its modular tool design allows for a seemingly limitless variety of customer-defined contact arrangements; 2) The molding process yields a one-piece insulator; and 3) The connector has an expandable, lateral envelope (up to 101mm).

These elements allow designers to achieve optimum size, weight and power by configuring a power/signal connector from a wide selection of modules. The module options include size 12 contacts, size 20 contacts, size 22 contacts and blanks/spacers. Contacts are rated up to 55 amps for size 12, 12 amps for size 20 and 3 amps for size 22 contacts. Contact resistance values are as low as 1 milliohm for standard conductivity contacts and 0.7 milliohms for high conductivity contacts. The blanks/spacers allow the user to space power and signal contacts to tailor creepage and clearance values to meet design criteria. Contact terminations include board-to-board, board-to-cable, cable-to-cable, and panel mount options. Additional features/accessories include ventilation slots in the connector housing, integral blind mate system, integral locking system, float mounts, panel mount clips and board locks.

The Scorpion Series is the solution to maximize power throughout and minimize space claim. For more information, visit <https://www.connectpositronic.com/family/scorpion>.

### About Positronic

Positronic is a global manufacturer of highly reliable electronic connectors known for distinctive core capabilities, including solid machined contacts with low resistance/high conductivity for use in standard and quick-turn custom connectors. Key products include high power, D-sub, rectangular, modular and circular connectors. Many parts are available immediately off-the-shelf using PosiShop.com. Customized solutions are available as well. Positronic is known globally for the unique ability to quickly modify existing designs or create new products to meet application-specific needs. Visit [www.connectpositronic.com](http://www.connectpositronic.com) for more details.

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